



(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Firlik et al.

Application No.: 10/072,700

Confirmation No.: 2530

Filed: February 7, 2002

Art Unit: 3762

For: METHODS AND APPARATUS FOR
EFFECTUATING A CHANGE IN A
NEURAL-FUNCTION OF A PATIENT

Examiner: R. D. Bradford

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S.

Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 337348020US4.

Dated: January 27, 2006

Respectfully submitted,

By 

John M. Wechkin

Registration No.: 42,216

PERKINS COIE LLP

P.O. Box 1247

Seattle, Washington 98111-1247

(206) 359-8000

(206) 359-7198 (Fax)

Attorney for Applicant



Express Mail No. EV784674520US

Attorney Docket No. 337348020US4

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|------------------------|
| Substitute for form 1449A/B/PTO | | | | Complete if Known | |
| | | | | Application Number | 10/072,700-Conf. #2530 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Filing Date | February 7, 2002 |
| | | | | First Named Inventor | Andrew D. Firlik |
| | | | | Art Unit | 3762 |
| | | | | Examiner Name | R. D. Bradford |
| | | | | Attorney Docket Number | 337348020US4 |
| Sheet | 1 | of | 7 | | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | US-2002/0091419-A1 | 07-11-2002 | Firlik et al. | |
| | | US-2003/0125786-A1 | 07-03-2003 | Gliner et al. | |
| | | US-2003/0130706-A1 | 07-10-2003 | Sheffield et al. | |
| | | US-2003-0149457-A1 | 08-07-2003 | Tcheng et al. | |
| | | US-2003/0176901-A1 | 09-18-2003 | May | |
| | | US-2003-0187490-A1 | 10-02-2003 | Bradford Gliner | |
| | | US-2003/0187491-A1 | 10-02-2003 | Greenberg et al. | |
| | | US-2002/0077670-A1 | 02-10-2004 | Archer et al. | |
| | | US-2003/0125772-A1 | 05-04-2004 | Olson et al. | |
| | | US-2004/0092809-A1 | 05-13-2004 | DeCharms | |
| | | US-2004-0138550-A1 | 07-15-2004 | Hartlep et al. | |
| | | US-2004/0236388-A1 | 11-25-2004 | Gielen et al. | |
| | | US-2004/0243205-A1 | 12-02-2004 | Keravel et al. | |
| | | US-2005/0004620-A1 | 01-06-2005 | Singhal et al. | |
| | | US-2005/0015129-A1 | 01-20-2005 | Mische | |
| | | US-2005/0096701-A1 | 05-05-2005 | Donovan et al. | |
| | | US-2005/0113882-A1 | 05-26-2005 | Cameron et al. | |
| | | US-2005/0119712-A1 | 06-02-2005 | Shafer | |
| | | US-2005/0154425-A1 | 07-14-2005 | Boveja et al. | |
| | | US-2005/0154426-A1 | 07-14-2005 | Boveja et al. | |
| | | US-2,721,316 | 10-18-1955 | Shaw | |
| | | US-3,628,193 | 12-21-1971 | Collins | |
| | | US-4,431,000 | 12-14-1984 | Butler et al. | |
| | | US-4,474,186 | 10-02-1984 | Ledley et al. | |
| | | US-4,590,946 | 05-27-1986 | Loeb | |
| | | US-5,024,226 | 06-18-1991 | Tan | |
| | | US-5,054,906 | 10-08-1991 | Lyons | |
| | | US-5,121,754 | 06-16-1992 | Mullett | |
| | | US-5,263,967 | 11-23-1993 | Lyons | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|------------------------|
| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/072,700-Conf. #2530 |
| | | | | Filing Date | February 7, 2002 |
| | | | | First Named Inventor | Andrew D. Firlik |
| | | | | Art Unit | 3762 |
| | | | | Examiner Name | R. D. Bradford |
| Sheet | 2 | of | 7 | Attorney Docket Number | 337348020US4 |

| | | | | |
|--|-----------------|------------|-----------------|--|
| | US-5,282,468 | 02-01-1994 | Klepinski | |
| | US-5,299,569 | 04-05-1994 | Wernicke et al. | |
| | US-5,314,458 | 05-24-1994 | Najafi et al. | |
| | US-5,406,957 | 04-18-1995 | Tansey | |
| | US-5,520,190 | 05-28-1996 | Benedict et al. | |
| | US-5,522,864 | 06-04-1996 | Wallace et al. | |
| | US-5,575,813 | 11-19-1996 | Edell | |
| | US-5,601,611 | 02-11-1997 | Fayram et al. | |
| | US-5,674,251 | 10-07-1997 | Combs et al. | |
| | US-5,772,591 | 06-30-1998 | Cram | |
| | US-5,983,140 | 11-09-1999 | Smith | |
| | US-6,035,236 | 03-07-2000 | Jarding et al. | |
| | US-6,198,958 | 03-06-2001 | Ives et al. | |
| | US-6,205,360 | 03-20-2001 | Carter et al. | |
| | US-6,221,908 | 04-24-2001 | Kilgard et al. | |
| | US-6,280,462 | 08-28-2001 | Hauser et al. | |
| | US-6,301,493 | 10-09-2001 | Marro et al. | |
| | US-6,339,725 | 01-15-2002 | Naritoku et al. | |
| | US-6,366,813 | 04-02-2002 | DiLorenzo | |
| | US-6,375,666 | 04-23-2002 | Mische | |
| | US-6,405,079 | 06-11-2002 | Ansarinia | |
| | US-6,418,344 | 01-01-2001 | Ali Rezai | |
| | US-6,463,328 | 10-08-2002 | John | |
| | US-6,464,356 | 10-15-2002 | Sabel | |
| | US-6,484,059 | 11-19-2002 | Gielen | |
| | US-6,487,450 | 11-26-2002 | Chen | |
| | US-6,499,488 | 12-31-2002 | Hunter et al. | |
| | US-6,505,075 | 01-07-2003 | Weiner | |
| | US-6,507,755 | 01-14-2003 | Gozani et al. | |
| | US-6,615,065 | 09-02-2003 | Barrett et al. | |
| | US-6,622,048 | 09-16-2003 | Carla Mann | |
| | US-6,665,562-B2 | 12-16-2003 | Gluckman et al. | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|------------------------|
| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/072,700-Conf. #2530 |
| | | | | Filing Date | February 7, 2002 |
| | | | | First Named Inventor | Andrew D. Firlik |
| | | | | Art Unit | 3762 |
| | | | | Examiner Name | R. D. Bradford |
| Sheet | 3 | of | 7 | Attorney Docket Number | 337348020US4 |

| | | | | | |
|--|--|-----------------|------------|----------------|--|
| | | US-6,687,525 | 05-09-2002 | Rodolfo Llinas | |
| | | US-6,690,974 | 02-10-2004 | Archer et al. | |
| | | US-6,725,094-B2 | 04-20-2004 | Saberski | |
| | | US-6,764,498-B2 | 07-20-2004 | Mische | |
| | | US-6,782,292-B2 | 08-24-2004 | Whitehurst | |
| | | US-6,795,737-B2 | 09-21-2004 | Gielen et al. | |
| | | US-6,810,286-B2 | 10-26-2004 | Donovan et al. | |
| | | US-6,839,594-B2 | 10-31-2002 | Cohen et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---------------------------|---|-----------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Country Code ² | Number ³ -Kind Code ⁴ (if known) | | | |
| | | DE | 19750043-A1 | 05-20-1999 | Bartha et al. | |
| | | EP | 0 998 958-A2 | 10-05-2000 | Medtronic, Inc. | |
| | | WO | 03/082402 | 03-26-2003 | Vertis Neuroscience, Inc. | |
| | | WO | 03/043690 | 05-30-2003 | Vertis Neuroscience, Inc. | |
| | | EP | 1180056 | 11-12-2003 | Exogen, Inc. | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|--------------------------|---|--|--|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | |
| | | BARR, Deborah et al., "Induction and Reversal of Long-Term Potentiation by Low- and High- Intensity Theta Pattern Stimulation," The Journal of Neuroscience, 15(7): pp. 5402-5410 (July 1995) | | |
| | | BEHRENS, T. et al., "Non-invasive mapping of connections between human thalamus and cortex using diffusion imaging," Nature neuroscience, Vol 6, No. 7, pp 750-757, July 2003 | | |
| | | BENABID, A.L. et al, "Chronic electrical stimulation of the ventralis intermedius nucleus of the thalamus as a treatment of movement disorders," J. Neurosurg., April 1997, 86(4); 737; http://www.ncbi.nlm.nih.gov ; [accessed 11/18/2003] | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|------------------------|
| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/072,700-Conf. #2530 |
| | | | | Filing Date | February 7, 2002 |
| | | | | First Named Inventor | Andrew D. Firlik |
| | | | | Art Unit | 3762 |
| | | | | Examiner Name | R. D. Bradford |
| Sheet | 4 | of | 7 | Attorney Docket Number | 337348020US4 |

| | | |
|--|--|--|
| | Brain Electrical Stimulation to Enhance Recovery After Stroke. ClinicalTrials.gov. [Retrieved on 12-22-2005]. Retrieved from the internet <URL http://www.clinicaltrials.gov/ct/show/NCT00085657?order=2 > | |
| | BURNETT, Mark G. et al., "Diffuse optical measurement of blood flow, blood oxygenation, and metabolism in a human brain during sensorimotor cortex activation," Optics Letters, Vol. 29, No. 15, pp: 1766-1768 (August 1, 2004) | |
| | Cytokines Web Clinical Significance. Cytokines Web, 2 pages. [Retrieved on 9-2-2005]. Retrieved from the internet: <URL: http://cmbi.bjmu.edu.cn/cmbidata/cgf/CGF_Database/cytweb/roles/index.html > | |
| | DE RIDDER, Dirk et al., "Magnetic and electrical stimulation of the auditory cortex for intractable tinnitus," Journal Neurosurg., Vol. 100, pp: 560-564, (March 2004) | |
| | DI LAZZARO, V. et al., "Theta-burst repetitive transcranial magnetic stimulation suppress specific excitatory circuits in the human cortex," Physiology in Press; published online on April 21, 2005 as 10.1113/physiol.2005.087288 | |
| | DING, Yuemin et al., "Neural Plasticity After Spinal Cord Injury," Current Pharmaceutical Design Vol. 11, No. 11, pp: 1441-1450, Abstract Only- 1 page (April 2005) | |
| | DUNCAN, Pamela W. et al., "Defining post-stroke recovery: implications for design and interpretation of drug trials," Neuropharmacology Vol. 39, pp. 835-841 (2000) | |
| | FREGNI, Felipe et al., "Anodal Transcranial Direct Current Stimulation of Prefrontal Cortex Enhances Working Memory," Experimental Brain Research Vol. 166, No. 1, pp: 23-30 (September 2005) | |
| | HAGEMANN, Georg et al., "Increased Long-Term Potentiation in the Surround of Experimentally Induced Focal Cortical Infarction," Annals of Neurology, Vol. 44, No. 2, pp. 255-258 (August 1998) | |
| | HAYAKAWA, Toshiji et al., "Changes in Cerebral Oxygenation and Hemodynamics During Obstructive Sleep Apneas," Chest, Vol. 109, pp: 916-921 (1996) | |
| | HOSHI, Yoko et al., "Detection of dynamic changes in cerebral oxygenation coupled to neuronal function during mental work in a man," Neuroscience Letters, Vol. 150, pp: 5-8 (1993) | |
| | HOSHINO et al., "Application of multichannel near-infrared spectroscopic topography to physiological monitoring of the cortex during cortical mapping: technical case report," Surgical Neurology, Vol. 64, pp. 272-275 (2005) | |
| | HUANG, Ying-Zu et al., "Theta Burst Stimulation of the Human Motor Cortex," Neuron, Vol. 45, pp. 201-206 (January 20, 2005) | |
| | HUMMEL, Friedhelm et al., "Effects of non-invasive cortical stimulation on skilled motor function in chronic stroke," Brain Advance Access, January 5, 2005, pp 1-10, Brain | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|------------------------|
| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/072,700-Conf. #2530 |
| | | | | Filing Date | February 7, 2002 |
| | | | | First Named Inventor | Andrew D. Firlik |
| | | | | Art Unit | 3762 |
| | | | | Examiner Name | R. D. Bradford |
| Sheet | 5 | of | 7 | Attorney Docket Number | 337348020US4 |

| | | |
|--|--|--|
| | KILGARD, Michael et al., "Cortical Map Reorganization Enabled by Nucleus Basalis Activity," Science, Vol. 279, pp 1714-1717 (March 13, 1998) | |
| | L-DOPA dyskinesias. BioChemistry of PD. [Retrieved on 12-22-2005]. Retrieved from the internet <URL < http://www.mayo.edu/fdp/pd-info/dyskinesias.htm >> | |
| | LANG, Nicolas et al., "Preconditioning with Transcranial Direct Current Stimulation Sensitizes the Motor Cortex to Rapid-Rate Transcranial Magnetic Stimulation and Controls the Direction of After-Effects," Biol Psychiatry 2004;56:634-639, 2004 Society of Biological Psychiatry | |
| | LARSON, John et al., "Reversal of LTP by theta frequency stimulation," Brain Research, 600: pp. 97-102 (1993) | |
| | LAZAR, M. et al., "White Matter Tractography Using Diffusion Tensor Deflection," Human Brain Mapping, 18:306-321 (2003) | |
| | MANSUR, C.G., et al., "A sham stimulation-controlled trial of rTMS of the unaffected hemisphere in stroke patients," Neurology, Vol. 64, pp. 1802-1804 (2005) | |
| | MARTIN et al, "Transcranial Magnetic Stimulation as a Complementary Treatment for Aphasia," Semin Speech Language, Vol. 25, pp: 181-191 (2004) Abstract Only- 1 page | |
| | NITSCHKE, Michael A. et al., "Level of action of cathodal DC polarisation induced inhibition of the human motor cortex," December 2, 2002, Clinical Neurophysiology 114 (2003) 600-604 | |
| | NITSCHKE, Michael A., et al. "Facilitation of Implicit Motor Learning by Weak Transcranial Direct Current Stimulation of the Primary Motor Cortex in the Human," Journal of Cognitive Neuroscience 15:4, pp 619-626, 2003 Massachusetts Institute of Technology | |
| | PANCHANATHAN, Sethuraman et al., "Rehabilitation of patients with hemispatial neglect using visual-haptic feedback in Virtual reality environment," [Retrieved on 12-22-2005]. Retrieved from the internet <URL < http://www.public.asu.edu/~tmcdani/publications.htm >> | |
| | PAULUS, W, "Supplements to Clinical Neurophysiology," Transcranial Magnetic Stimulation and Transcranial Direct Current Stimulation (Supplements to Clinical Neurophysiology; Vol 56), pp 249-254, 2003 Elsevier Science, B.V. | |
| | PAULUS, Walter, "Toward Establishing a Therapeutic Window for rTMS by Theta Burst Stimulation," Neuron, Vol. 45, pp. 181-183 (January 20, 2005) | |
| | PENN, Michael, "Stemming Parkinson's," On Wisconsin Alumni Magazine, Summer 2003, [Retrieved on 12/22/2005]. Retrieved from the internet <URL < http://www.uwalumni.com/onwisconsin/2003_summer/research.html > | |
| | SCHAEFER, Pamela W. et al., "Assessing Tissue Viability with MR Diffusion and Perfusion Imaging," AJNR, 24: pp.436-443 (March 2003) | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|------------------------|
| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/072,700-Conf. #2530 |
| | | | | Filing Date | February 7, 2002 |
| | | | | First Named Inventor | Andrew D. Firlik |
| | | | | Art Unit | 3762 |
| | | | | Examiner Name | R. D. Bradford |
| Sheet | 6 | of | 7 | Attorney Docket Number | 337348020US4 |

| | | |
|--|---|--|
| | SCHIENE, Klaus et al., "Neuronal Hyperexcitability and Reduction of GABA-Receptor Expression in the Surround of Cerebral Photothrombosis," Journal of Cerebral Blood Flow and Metabolism, Vol. 16, No. 5, pp. 906-914 (1996) | |
| | SCIRun. Scientific Computing and Imaging Institute, 2 pages. [Retrieved on 7-24-2005]. Retrieved from the internet: <URL: < http://software.sci.utah.edu/scirun.html > | |
| | STRANGMAN, Gary et al., "A Quantitative Comparison of Simultaneous BOLD fMRI and NIRS Recordings during Functional Brain Activation," NeuroImage, Vol. 17, pp: 719-731 (2002) | |
| | STRANGMAN, Gary et al., "Factors affecting the accuracy of near-infrared spectroscopy concentration calculations for focal changes in oxygenation parameters," NeuroImage, Vol. 18, pp: 865-879 (2003) | |
| | STRANGMAN, Gary et al., "Non-Invasive Neuroimaging Using Near-Infrared Light," Biological Psychiatry, Vol. 52, pp: 679-693 (2002) | |
| | STRENS, Lucy et al., "The Ipsilateral Human Motor Cortex Can Functionally Compensate for Acute Contralateral Motor Cortex Dysfunction," Current Biology, Vol 13, pp 1201-1205, July 15, 2003 | |
| | TAGA, Gentaro et al., "Brain imaging in awake infants by near-infrared optical topography," PNAS, Vol. 100, No. 19, pp:10722-10727 (September 16, 2003) | |
| | The GES 250 for Dense-Array EEG Research. Electrical Geodesics, Inc., 3 pages. [Retrieved on 8-25-2005]. Retrieved from the internet: <URL: http://www.egi.com/ges250r_n.html > | |
| | The INVOS Cerebral Oximeter. Somanetics, 1 page [Retrieved on 12-22-2005]. Retrieved from the internet <URL < http://www.somanetics.net/invos.htm >> | |
| | THEORET, Hugo et al., "Exploring Paradoxical Functional Facilitation with TMS," Supplements to Clinical Neurophysiology, Vol. 56, pp: 211-219 (2003) | |
| | THOMAS, Carmen et al., "Do Children with aggressive behavior have temporal lobe changes?" Alasbimn Journal, Year 5, No. 19, 8 pages (January 2003) | |
| | TORONOV, Vlad et al., "Near-infrared study of fluctuations in cerebral hemodynamics during rest and motor stimulation: Temporal analysis and spatial mapping," Medical Physics, Vol. 27, No. 4, pp: 801-815 (April 2000) | |
| | Tractography. Absolute Astronomy Reference, 2 pages. [Retrieved on 7-24-2005]. Retrieved from the internet: <URL: http://www.absoluteastronomy.com/encyclopedia/T/Tr/Tractography.htm > | |
| | TSUBORKAWA, T., "Chronic Motor Cortex Stimulation in Patients with Thalamic Pain," J. Neurosurg 78:393-401, March 1993 | |
| | TUCH, D. et al., "Conductivity Tensor Mapping of the Human Brain Using Diffusion Tensor MRI," Neurobiology, Vol. 98, No. 20, pp. 11697-11701, September 25, 2001 | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

| | | | | | |
|--|---|----|---|--------------------------|------------------------|
| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/072,700-Conf. #2530 |
| | | | | Filing Date | February 7, 2002 |
| | | | | First Named Inventor | Andrew D. Firlik |
| | | | | Art Unit | 3762 |
| | | | | Examiner Name | R. D. Bradford |
| Sheet | 7 | of | 7 | Attorney Docket Number | 337348020US4 |

| | | | |
|--|--|--|--|
| | | WEINAND, Martin E. et al., "Cerebral blood flow and temporal lobe epileptogenicity," [Retrieved on December 22, 2005]. Retrieved from the internet: <URL http://www.aans.org/education/journal/neurosurgical/nov96/1-5-3.asp > | |
|--|--|--|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|